

Title (en)
SYSTEMS, DEVICES AND METHODS FOR VIDEO ENCODING AND DECODING

Title (de)
SYSTEME, VORRICHTUNGEN UND VERFAHREN ZUR VIDEOCODIERUNG UND -DECODIERUNG

Title (fr)
SYSTÈMES, DISPOSITIFS ET PROCÉDÉS DE CODAGE ET DE DÉCODAGE VIDÉO

Publication
EP 3094090 A1 20161116 (EN)

Application
EP 16154510 A 20160205

Priority
CN 201510024059 A 20150116

Abstract (en)
Systems, devices and methods are provided for video encoding and decoding. An example method includes: analyzing one or more input images; obtaining a background image from the one or more input images; encoding the background image to obtain a background frame; decoding the background frame to obtain a reconstructed image of the background frame; obtaining a first image from the one or more input images; encoding at least partially the first image to obtain a refreshment frame based at least in part on a difference between the first image and the reconstructed image of the background frame; obtaining a second image from the one or more input images; encoding at least partially the second image to obtain a common frame; and generating a video bit stream based at least in part on the background frame, the refreshment frame and the common frame.

IPC 8 full level
H04N 19/105 (2014.01); **H04N 19/107** (2014.01); **H04N 19/109** (2014.01); **H04N 19/137** (2014.01); **H04N 19/17** (2014.01); **H04N 19/46** (2014.01); **H04N 19/51** (2014.01); **H04N 19/593** (2014.01)

CPC (source: EP US)
H04N 19/105 (2014.11 - EP US); **H04N 19/107** (2014.11 - EP US); **H04N 19/109** (2014.11 - EP US); **H04N 19/137** (2014.11 - EP US); **H04N 19/17** (2014.11 - EP US); **H04N 19/46** (2014.11 - EP US); **H04N 19/507** (2014.11 - EP US); **H04N 19/51** (2014.11 - EP US); **H04N 19/593** (2014.11 - EP US)

Citation (search report)
• [IA] US 2012169923 A1 20120705 - MILLAR GREG [US], et al
• [A] US 6546052 B1 20030408 - MAEDA MITSURU [JP], et al
• [A] WO 03084235 A1 20031009 - BRITISH TELECOMM [GB], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 10567796 B2 20200218; **US 2016212444 A1 20160721**; CN 105847793 A 20160810; CN 105847793 B 20191022; EP 3094090 A1 20161116; EP 3094090 B1 20210818

DOCDB simple family (application)
US 201614995243 A 20160114; CN 201510024059 A 20150116; EP 16154510 A 20160205